

REMARKS

This Amendment is in response to the Office Action mailed December 1, 2004. Also being filed herewith is an Information Disclosure Statement Under 37 C.F.R. §1.97(c)(2).

Claims 1-54 were rejected under 35 U.S.C. §103(a) as being unpatentable over McLaughlin et al. (U.S. Patent No. 5,988,847) and Nazem et al. (U.S. Patent No. 5,983,227) in view of Michel K. Bowman-Amuah (U.S. Patent No. 6,742,015). Claims 1-60 are currently pending. Reconsideration and withdrawal of these rejections are respectfully requested.

Each of the independent claims has been amended to recite that “at least one but not all of the plurality of blocks” are retrieved from a memory and “remaining ones of the plurality of blocks ... that are not stored in the memory” are dynamically generated. Thus, each of the independent claims requires that some of the blocks be retrieved from a memory and that all remaining blocks defined in the script be dynamically generated.

The applied combination, however, does not teach or suggest that some of the blocks be retrieved from a memory and that all remaining blocks defined in the script be dynamically generated, as claimed herein. Indeed, the primary reference to McLaughlin teaches an all or nothing approach to serving a client application with process data:

When a client application requires process data, a data request is sent to supervisory controller 120 and is received in cache manager 220. In one embodiment of the present invention, cache manager 220 first searches dynamic cache 220 for the requested process data. If the process data is found (a cache hit), cache manager 220 transfers the process data to the requesting client application and the transaction is ended. If the data is not found (a cache miss), cache manager 220 then requests the process data from the appropriate one of process nodes 204–206. When the supervisory controller 120 receives the process data from the process node, cache manager 215 writes the process data into dynamic cache 215 and transfers the process data to the client application that originally requested it.

as shown in Column 8, lines 6-19. Either process data is present in the cache 220 or it is fetched from one of the process nodes 204-206. No provisions are made within McLaughlin for retrieving some of the blocks from the memory and dynamically generating remaining ones of the plurality of blocks. Alternatively, McLaughlin teaches that process data may be obtained in a peer-to-peer fashion, as detailed in Column 6, lines 22-25 or via a publish/subscribe model, as detailed in Column 3, lines 55-57.

Similarly, all of the supervisory data is dynamically generated, as positively stated in Column 5, lines 33-36:

optimize the facility as a whole. In a preferred embodiment,
the supervisory data is dynamically generated and is based
at least upon a given facility's efficiency, production or ³⁵
economic cost, and most preferably all three. ...

i.e., none of the supervisory data is retrieved from a cache memory. Therefore, McLaughlin does not teach or suggest retrieving some of the blocks from the memory and dynamically generating remaining ones of the plurality of blocks, as required by the claims.

The outstanding Office Action states that Nazem et al. teaches a document that includes a plurality of blocks. However, Nazem et al. does not remedy the fundamental shortcomings of the primary reference and does not teach – alone or in combination with McLaughlin - to retrieve some of the blocks from the memory and to dynamically generate remaining ones of the plurality of blocks, as claimed herein. Indeed, Nazem et al. teaches the use of templates to hold the static data and to obtain all live data from the shared memory 212:

in further detail. User front page 218 is built according to a user template and live data. The user template specifies, for example which quotes are shown in the portfolio module, which cities are displayed in the weather module, etc. Each of the modules 504 can be customized by a user and moved about front page 218. The modules 504 are also reusable, in that any customized module which appears on multiple pages can be edited from any one of those pages and the edits will be reflected on each of the pages. Other custom pages for the user can be viewed by selecting one of the page buttons 502 appearing below the header. Other pages and utilities can be selected using the buttons 508 which are part of the header.

In addition to all of the live data shown in FIG. 5 being stored in the shared memory, summaries from each of the

as stated in line 66-67 above. Nazem et al. teaches that the template data is stored (and necessarily retrieved from) the cached user templates database 214 and that all of the live data to fill these templates is stored in (and necessarily retrieved from) the shared memory 212. Therefore, even when considered collectively with the McLaughlin reference, Nazem et al. does not teach or suggest to retrieve some of the blocks from the memory and to dynamically generate remaining ones of the plurality of blocks, as required by each of the independent claims herein. It is respectfully submitted that adding the Bowman-Amuah reference to the mix does not provide any additional guidance to the person of ordinary skill in this art. The cited passages simply do not teach anything relevant to blocks of a document including a reference to a data source and code that is configured to access and format data accessed from the data sources, as required by the claims. Indeed, Column 52, lines 55-61 deals with ID and password pairs:

resources, as opposed to securing an applications detailed functions.

The security component prevents unauthorized users from accessing corporate data/resources by providing the users with access codes—password & ID—that allows the user to login to the system or execute any (or a particular) application.

while Column 47, lines 30-67 deals with wholly unrelated performance issues:

How important is performance? 30

In general, performance of data access and printing should be considered. Some typical benchmark tests include table scan, single-table report, joined table report, and mailing label generation times. (source is market research) 35

What is the budget?

Per developer costs as well as run time licensing fees, maintenance costs, support fees, and upgrade charges should be considered.

Do I have another component that satisfies this requirement? 40

Many databases and application development tools are shipped with built in or add-on report writing capability. However, stand-alone report writers: (1) are more powerful and flexible, especially when dealing with multiple data sources and a wide variety of formats; (2) can retrieve 45 information from more data sources than the bundled report writers and can create reports from several data sources simultaneously; (3) excel in ease of use, both in designing and generating reports; (4) offer better tools and more predefined reports; and (5) have faster engines. (source is 50 market research)

Does the product integrate with the existing or proposed architecture?

It is important to consider how well a product integrates 55 with desktop tools (word processing, spreadsheet, graphics etc.) and application development programs. These items can be used to extend the capabilities of the reporting package.

What databases does the product support? 60

A product should support the most widely used PC file formats and Client/Server databases. It may be necessary to consider the type of support. For example, native database interfaces tend to have better performance than open standards such as ODBC. Another possible consideration is how 65 well the product accesses multiple files or databases. (source is market research)

It is respectfully submitted that the applied combination, therefore, does not teach or suggest any method, system or media configured to

retrieving at least one **but not all** of the plurality of blocks defined in the script of the requested document from a memory, **the memory storing when the memory stores** the at least one of the plurality of blocks defined in the script of the requested document; and

dynamically generating **remaining ones of the plurality of blocks any block** defined in the script of the requested document that **is are** not stored in the memory and storing a copy of each dynamically generated block in the memory.

as claimed in each of the independent claims. Reconsideration and withdrawal of the outstanding art rejections based upon the McLaughlin, Nazem et al. and Bowman-Amuah references are, therefore, respectfully requested.

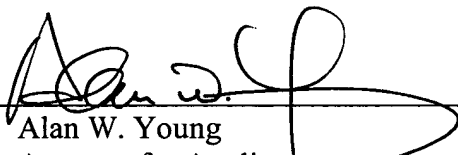
As the rejections of the independent claims are deemed to have been overcome, it is not believed necessary to discuss the rejections of the dependent claims at this time, as they incorporate the patentable features of the independent claims from which they depend.

Applicants believe that this application is now in condition for allowance. If any unresolved issues remain, please contact the undersigned attorney of record at the telephone number indicated below and whatever is necessary to resolve such issues will be done at once.

It is hereby requested that the Examiner return initialed copies of the modified form PTO-1449's previously submitted on October 18, 2001, and October 23, 2003. Copies are enclosed herewith for the Examiner's convenience.

Respectfully submitted,

Date: May 2, 2005

By: 
Alan W. Young
Attorney for Applicants
Registration No. 37,970

Young Law Firm, P.C.
4370 Alpine Rd., Ste. 106
Portola Valley, CA 94028
Tel.: (650) 851-7210
Fax: (650) 851-7232

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